

Curriculum Vitae**Michael N. Bates****EDUCATION**

1972	B.Sc.(Hons)	Chemistry	University of Canterbury, Christchurch, New Zealand.
1975	M.Sc.	Toxicology	University of Surrey, Guildford, England.
1989	M.P.H	Environmental health sciences	University of California, Berkeley.
1991	Ph.D.	Epidemiology	University of California, Berkeley.

EMPLOYMENT

2021 (January)-present	Researcher (volunteer), VA Northern California Health Care System, Martinez, California.
2019 (August)-present	Research Professor, Emeritus, Divisions of Epidemiology and Environmental Health Sciences, School of Public Health, University of California, Berkeley.
2005-2019 (August)	Associate Director, Global Health and Environment Program, Division of Environmental Health Sciences, School of Public Health, University of California, Berkeley.
2003-2019 (August)	Research Professor, Division of Epidemiology, School of Public Health, University of California, Berkeley.
2001 (November)-2019 (August)	Researcher, Division of Environmental Health Sciences, School of Public Health, University of California, Berkeley.
2000 (November)-2001 (October)	Visiting Researcher, Arsenic Health Effects Research Group, School of Public Health, University of California, Berkeley.
1992 (November)-2000 (October).	Managing Scientist/Principal Scientist, Epidemiology Institute of Environmental Science and Research Ltd (ESR) Kenepuru Science Centre, Porirua, New Zealand
1992 (February)-1992 (October)	Visiting Lecturer, Zentrum für Gesundheitswissenschaften (Health Sciences Centre), University of Bielefeld, Bielefeld, F.R. Germany
1980 (July) – 1987 (August)	Principal Toxicologist, Health Protection Program, Department of Health, Wellington, New Zealand.

1972 (June) – 1980 (July)

Scientific Officer (Toxicology), Division of Public Health,
Department of Health, Wellington, New Zealand.

PUBLICATIONS

1. Smith, A.H. & **Bates, M.N.** Epidemiological studies of cancer and pesticide exposure. In: Carcinogenicity and Pesticides: Principles, Issues and Relationships. ACS Symposium Series 141. Washington, DC: American Chemical Society, 1989: 207-222.
2. Buckland, S.J., Hannah, D.J., Taucher, J.A. & **Bates, M.N.** Levels of polychlorinated dibenzo-p-dioxins and dibenzofurans in the breast milk of New Zealand mothers. Proceedings of Dioxin '90, Bayreuth, Germany. September, 1990.
3. **Bates, M.N.** Extremely low frequency electromagnetic fields and cancer: the epidemiologic evidence. *Environmental Health Perspectives*. 1991;95:147-156.
4. **Bates, M.N.**, Smith, A.H. & Hopenhayn-Rich, C. Arsenic ingestion and internal cancers: A review. *Amer J Epidemiol*. 1992;135:462-476.
5. Smith, A.H., Hopenhayn-Rich, C., **Bates, M.N.**, Goeden, H.M., Hertz-Picciotto, I., Duggan, H.M., Wood, R., Smith, M.T. & Kosnett, M.J. Cancer risks from arsenic in drinking water. *Environmental Health Perspectives*. 1992;97:259-267.
6. Smith, A.H. & **Bates, M.N.** Confidence limit analyses should replace power calculations in the interpretation of epidemiologic studies. *Epidemiology*. 1992;3449-452.
7. **Bates, M.N.** & Fehr, R. Schools of Public Health in the United States of America. *Zeitschrift für Gesundheitswissenschaften*. 1993;1:5-19.
8. **Bates, M.**, Baker, M., Wilson, N., Lane, L. & Handford, S. Epidemiologic overview of the New Zealand shellfish toxicity outbreak. In: Marine Toxins and New Zealand Shellfish. The Royal Society of New Zealand Miscellaneous Series 24, 1993
9. **Bates, M.N.**, & Till, D. The New Zealand shellfish toxicity outbreak: an overview. *NZ Microbiological Society Newsletter*, September, 1993.
10. Baker, M., Wilson, N. & **Bates, M.** Occupational communicable diseases in New Zealand. *Comm Dis NZ*. 1993;93:85-91
11. Baker M, Wilson N, **Bates M**, Till D, Hannah D. Toxic shellfish poisoning update. *Comm Dis NZ* 1993; 93:16-18.
12. **Bates, M.N.**, Hannah, D.J., Buckland, S.J., Taucher, J.A. & van Maanen, T. Chlorinated organic compounds in the breast milk of New Zealand women. *Environmental Health Perspectives*. 1994;102 suppl 1:211-217.
13. Smith, A.H., Hopenhayn-Rich, C., Biggs, M.L., Moore, L., Dale, J., Warner, M., **Bates, M.** & Engel, R. Epidemiological study designs to address potential high bladder cancer risks from arsenic in drinking water. In: Arsenic Exposure and Health, eds: Chappell, W.R., Abernathy, C.O., Cothorn, C.R. Northwood: *Science and Technology Letters*, 1994, 109-117.
14. **Bates, M.N.**, Smith, A.H. & Cantor, K.P. Case-control study of bladder cancer and arsenic in U.S. drinking water supplies. *Amer J Epidemiol*. 1995;141:523-530.

15. Eberhart-Phillips, J., Malcolm, M., Bandaranayake, D. & **Bates, M.** Assessment of the risk of transmission of *N. Meningitidis* in a New Zealand university classroom setting. *NZ Med J* 1995; 108: 318-9.
16. **Bates M**, Hannah J. Is dioxin exposure a problem in New Zealand? *NZ Public Health Report* 1995; 2: 41-2.
17. **Bates, M.N.** Lane, L. Testicular cancer in firefighters: A cluster investigation. *NZ Med J*, 1995; 108: 334-7.
18. **Bates, M.**, Malcolm, M., Wyatt, R., Garrett, N., Galloway, Y., Speir, T., Read, R. Lead in children in older housing areas in the Wellington region. *NZ Med J*, 1995; 108: 400-4.
19. Read D, **Bates M.** Lead-based paint and child health: an old public health problem revisited. *NZ Public Health Report*, 1995; 2: 83-4.
20. McNicholas A, **Bates M**, Wright J, Kiddle E. Is New Zealand's recent increase in campylobacteriosis due to changes in laboratory procedures? A survey of 69 laboratories. *NZ Med J* 1995; 108: 459-61.
21. Sarfati D, **Bates MN**, Garrett N, Baker MG. Acute gastroenteritis diagnostic practices of New Zealand GPs. *NZ Med J* 1997; 110: 354-6.
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24. **Bates MN**, Garrett N, Graham B, Read D. Air pollution and mortality in the Rotorua geothermal area. *Aust NZ J Public Health* 1997; 21: 581-6.
25. Eberhart-Phillips J, Walker N, Garrett N, Bell D, Sinclair D, Rainger W, **Bates M.** Campylobacteriosis in New Zealand: results of a case-control study. *J Epidemiol Com Health* 1997; 51: 686-91.
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33. **Bates MN**, Buckland SJ, Ellis HK, Garrett N, Needham LL, Patterson DG, Turner W, Russell D, Wilson N, Duncan A. PCDDs and PCDFs in the serum of the non-occupationally exposed New Zealand population. *Organohalogen Compounds* 1999; 44:17-21.
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69. **Bates MN**. Registry-Based Case-Control Study Of Cancer In California Firefighters. *Am J Indust Med* 2007; 50:339-344.
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75. Pokhrel AK, **Bates MN**, Verma SC, Joshi HS, Sreeramareddy CT, Smith KR. Tuberculosis and Indoor Biomass and Kerosene Use in Nepal: A Case-control Study. *Environ Health Persp* 2010; 118:558-564.
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83. Chin DL, Hong O, Gillen M, **Bates MN**, Okechukwu CA. Occupational factors and smoking cessation among unionized building trades workers. *Workplace Health Saf*. 2012;60(10):445-52.
84. Mukhopadhyay R, Sambandam S, Pillarisetti A, Jack D, Mukhopadhyay K, Balakrishnan K, Vaswani M, **Bates MN**, Kinney PL, Arora N, Smith KR. Traditional cooking practices, air quality monitoring, and the acceptability of advanced biomass cookstoves in Haryana, India: An exploratory study to inform planning of large-scale intervention efforts. *Global Health Action*. 2012;5:1-13.
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87. Lakshmi PV, Virdi N, Sharma A, Tripathy JP, Smith KR, **Bates MN**, Kumar R, Household air pollution and stillbirths in India: Analysis of the DLHS-II National Survey, *Environmental Research*. 2013;121:17-22.
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